FILTERITE® DYNALLOY® AND DYNAMESH™
SERIES FILTER CARTRIDGES

- 3 Times Greater Dirt Holding Capacity Than Conventional Metallic Cartridges
- 4 Times Higher Flow Than Comparable Metallic Cartridges
- 2 Times Higher Porosity and Permeability of Competitive Metallic Cartridges
- Absolute Rated Filtration (Dynalloy)
- All Welded Construction, No Extractables
- No Media Migration, Non-Fiber Releasing
- Excellent Mechanical Strength
- Pleated Element Configurations
- Resistance to Contaminant Unloading

**Performance Specifications**

<table>
<thead>
<tr>
<th>Table 1</th>
<th>DYNALLOY MEDIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retention Ratings (microns)</td>
<td>Liquid</td>
</tr>
<tr>
<td>Media Grade</td>
<td>Nominal</td>
</tr>
<tr>
<td>03</td>
<td>1.0</td>
</tr>
<tr>
<td>04</td>
<td>3.0</td>
</tr>
<tr>
<td>05</td>
<td>5.0</td>
</tr>
<tr>
<td>06</td>
<td>10.0</td>
</tr>
<tr>
<td>09</td>
<td>25.0</td>
</tr>
<tr>
<td>11</td>
<td>30.0</td>
</tr>
<tr>
<td>12</td>
<td>45.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Table 2</th>
<th>DYNAMESH MEDIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retention Ratings (microns)</td>
<td>Liquid Nominal</td>
</tr>
<tr>
<td>Media Grade</td>
<td>Nominal</td>
</tr>
<tr>
<td>10</td>
<td>12.0</td>
</tr>
<tr>
<td>40</td>
<td>40.0</td>
</tr>
<tr>
<td>70</td>
<td>70.0</td>
</tr>
<tr>
<td>100</td>
<td>100.0</td>
</tr>
<tr>
<td>140</td>
<td>140.0</td>
</tr>
<tr>
<td>250</td>
<td>250.0</td>
</tr>
<tr>
<td>465</td>
<td>465.0</td>
</tr>
<tr>
<td>590</td>
<td>590.0</td>
</tr>
<tr>
<td>840</td>
<td>840.0</td>
</tr>
</tbody>
</table>

**Product Specifications**

**Materials of Construction:**
- Filter Media:
  - Dynalloy: Sintered (metallurgically bonded) Stainless Steel fibers
  - Dynamesh: Woven Stainless Steel wire cloth
- Filter Material: A = 304 Stainless Steel
  - S = 316 Stainless Steel
- End Configurations: DOE, NPT, M3, M6
- Gaskets/O-rings: Buna N, Viton A, EPDM, Neoprene, Expanded PTFE

**Dimensions (nominal):**
- Outside Diameter: 2.5" (6.4 cm)
- Lengths: 10" (25.4 cm), 20" (50.8 cm), 30" (76.2 cm)

**Maximum Temperature:**
- 750° F (399° C)

**Maximum Pressure:**
- 2,500 psid (172.4 bar)

**Cartridge Filter Area (sq. ft.)**

<table>
<thead>
<tr>
<th>Nominal Length</th>
<th>PSC Cylindrical Dynalloy</th>
<th>PSP Pleated Dynalloy</th>
<th>PWC Pleated Dynamesh</th>
</tr>
</thead>
<tbody>
<tr>
<td>10&quot;</td>
<td>0.55</td>
<td>1.35</td>
<td>1.10</td>
</tr>
<tr>
<td>20&quot;</td>
<td>1.10</td>
<td>2.70</td>
<td>2.20</td>
</tr>
<tr>
<td>30&quot;</td>
<td>1.65</td>
<td>NA</td>
<td>3.30</td>
</tr>
</tbody>
</table>

Bulletin #1804-C
FILTERITE DYNALLOY AND DYNAMESH
SERIES FILTER CARTRIDGES

Flow Specifications

Air Flow vs ΔP

1 2 3 4 5 6 7
1          2       3    4   5     7     10           20      30  40 50  70 100 150 200 300 400 500 700 1000

Water Flow vs ΔP

1 2 3 4 5 6 7
1 3 5 7 10 20 30 40 50 70 100

Advantages of Pleated Dynalloy Cartridges

The unique capability of Dynalloy fiber metal media to be pleated offers significant advantages over rigid, non pleatable powder metal. Pleated Dynalloy cartridges provide Superior Flow, Contaminant Capacity and Life. This means fewer cartridges and smaller systems to do the same job, typically ½ to ¼ the number and size required with powder metal.

Applications for Dynalloy and Dynamesh Cartridges

- High Temperature
- Toxic or Hazardous Substances
- High Differential Pressure
- Recovery of Precious Particulate
- Corrosive Liquids and Gases
- Electronics Grade Chemicals & Gases
- Viscous Fluids
- Hydraulic Oil
- Process Steam
- Cryogenics

Ordering Information

Metallic Media:
PSC = Cylindrical Dynalloy
PSP = Pleated Dynalloy
PWC = Pleated Dynamesh

Media Grade:
Dynalloy (See Table 1)
Dynamesh (See Table 2)

Cartridge Lengths (nominal):
10", 20", 30" (consult factory for availability of 30" cartridges in PSP)

End Configurations:
NPT - 1" NPT SOE
M3 - SOE flat closed end, external 222 O-rings
(replaces MILLIPORE® Code 0)
DOE - Double open end with elastomer gasket seal & end caps
M6 - SOE flat closed end, external 226 O-rings
(replaces Millipore Code 6)

Gasket/O-Ring Materials: Buna N, Neoprene, Viton A, EPDM, Expanded PTFE

Pall Corporation
Filterite Division
2138 Greenspring Drive
Timonium, Maryland 21093
410.252.0800 phone
410.560.2857 fax
www.filterite.com website
filterite@pall.com e-mail

© 2002 Pall Corporation • All Rights Reserved • Printed In USA • 5/02 • 1M